| Sample   | L Number | Hits | Search Text  | DB        | Time stamp                              |
|--|----------|------|--|-----------|---|
| - 545 (((711/5,102,103,115,159,168,169).CCLS.) and Gad < "19990728") and flash USPAR; US-FGPUB, EPO, JPO, DERMENT; ISM, TDB USPAR; US-FGPUB, EPO, JPO, JPO, JPO, JPO, JPO, JPO, JPO, J   | -        |      |  | USPAT;    | 2003/12/28 17:31                        |
| DERMENT; Sad < "19990728") and flash  - 1 (flash with memory) and (sector with interleav\$3) and (wear with level\$3) EPO; JPO; DERMENT; IBM, TDB USPAT; USPAT; IBM, TDB USPAT;  |          |      |  | US-PGPUB; |   |
| S45  |          |      |  | EPO; JPO; |   |
| S45  | j        |      |  | DERWENT;  |   |
| ### Sector   |          |      |  | IBM TDB   |   |
| ### Sector   | -        | 545  | (((711/5,102,103,115,159,168,169).CCLS.) and   | USPAT;    | 2003/12/28 17:31                        |
| 1 (flash with memory) and (sector with interleav\$3) and (wear with level\$3)   USPAT; US-PGPUB; EPO, JPO; DERMENT; IBM_TDB   USPAT; US-PGPUB; EPO, JPO; USPAT; US-PGPUB; EPO,   |          |      |  | US-PGPUB; |   |
| 1 (flash with memory) and (sector with interleav\$3) and (wear with level\$3)   USPAT;   EPO, JPO;   DERMENT;   IBM TDB   USPAT;  |          |      |  |           |   |
| 1 (flash with memory) and (sector with interleav\$3) and (wear with level\$3)   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J   | Į.       |      |  |           | i i                                     |
| 1 (flash with memory) and (sector with interleav\$3) and (wear with level\$3)   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J   |          |      | •  | ,         | ]                                       |
| interleav\$3   and (wear with level\$3)   US-PGPUB; EPO; JPO; DERWENT; IBM_TOB (Islash with memory) and (sector with interleav\$3)   US-PGPUB; EPO; JPO; DERWENT; IBM_TOB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TOB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TOB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TOB USPAT; USP  | -        | 1    | (flash with memory) and (sector with   |           | 2004/01/02 18:28                        |
| Section   Sect   | 1        |      |  |           |   |
| S8   |          |      |  | EPO; JPO; |   |
| -   58   |          |      |  | DERWENT;  |   |
| interleav\$3   US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGP  |          |      |  | IBM TDB   |   |
| interleav\$3   US-PGPUB; EBO; JPO; DERMENT; IBM TDB USPAT; US-PGP  | -        | 58   | (flash with memory) and (sector with   | USPAT;    | 2004/01/02 19:49                        |
| DERWENT; IRM TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IRM TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IRM TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IRM TDB USPAT; US-PGPUB; USPAT; US-PGPUB; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB;  |          |      |  | US-PGPUB; |   |
| 10   |          |      | •  |           |   |
| 10   |          |      |  | DERWENT;  |   |
| 10   |          |      |  | IBM TDB   |   |
| Interleav\$3   US-PGUB; EPO, JPO, DERWENT; IBM TDB   USPAT;   US-PGUB;   USPAT;   U  | -        | 10   | (flash with memory) and (cluster with  | _         | 2004/01/02 19:50                        |
| EEO, JPO; DERMENT; IBM TDB   USPAT; US-PGPUB; EEO; JPO; USPAT; US-   |          |      |  |           |   |
| DERWENT;   IBM TDB   USPAT;   Sector) and @ad < "19990728"   Sector) and USPAT;   Sector) and @ad < "19990728"   Sector) and USPAT;   Sector) and @ad < "19990728"   Sector) and USPAT;   Sector) and @ad < "19990728"   Sector) and USPAT;   Sector) and @ad < "19990728"   Sector) and @ad < "19990728   | }        |      |  |           |   |
| IBM TDB   Sector) and @ad < "19990728"   Sector) and @ad < "   |          |      |  |           |   |
| 172    (flash with memory) and (cluster and sector) and @ad < "19990728"   USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J  |          |      |  |           |   |
| Sector) and @ad < "19990728"   US-PGPUB; EPO; JPO; DERWENT; IBM TDB   USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM TDB   USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM TDB   USPAT; US-PGPUB; EPO; JPO; JPO;  | -        | 172  | (flash with memory) and (cluster and   | _         | 2004/01/02 20:00                        |
| - 92 ((flash with memory) and (cluster and sector) and @ad < "19990728") and (cluster) and (cl   | ĺ        |      |  | 1 7       |   |
| - 92 ((flash with memory) and (cluster and sector) and @ad < "19990728") and (cluster) (US-PGPUB; EPO; JPO; DERWENT; IEM_TDB (USPAT; US-PGPUB; EPO   |          |      | ,  |           |   |
| Sector   S   |          |      |  |           |   |
| -   92   |          |      |  | -         |   |
| Sector) and @ad < "19990728") and   US-PGPUB;   EPO; JPO; JPO; DERWENT; IBM TDB   Sector) and @ad < "19990728" and   US-PAT; US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   Sector) and @ad < "19990728" and   US-PAT; US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   Sector) and @ad < "19990728"   Sector) and @ad < "19990728"   Sector) and   US-PAT; US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   Sector with interleav\$3   Secto | -        | 92   | ((flash with memory) and (cluster and  | _         | 2004/01/02 19:54                        |
| (interleav\$3 distribut\$3)  - (iflash with memory) and (cluster and sector) and @ad < "19990728") and USPAT; USPGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; IBM TDB USPAT;  |          | , ,  |  | ·         |   |
| - 6 ((flash with memory) and (cluster and sector) and @ad < "19990728") and (UsPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWEN   |          |      |  |           |   |
| - 6 ((flash with memory) and (cluster and sector) and @ad < "19990728") and ((interleav\$3 distribut\$3) with cluster)  - 2123 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728"  - 5 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 28 ((flash with memory) and (sector with interleav\$3)) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; interleav\$3) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DER   |          | i    | (111001100145 01101100045)   |           |   |
| - ((flash with memory) and (cluster and sector) and @ad < "19990728") and ((interleav\$3 distribut\$3) with cluster)  - 2123 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728"  - 5 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) uspAT; usp  |          |      |  |           |   |
| Sector) and @ad < "19990728"   and   US-PGPUB; EPO; JPO; DERWENT; IBM TDB   US-PGPUB; EPO; JPO; JPO; DERWENT; IBM TDB   US-PGPUB; EPO; JPO; DERWENT; IBM TDB   US-PGPUB; EPO; JPO; DERWENT; IBM TDB   US-PGPUB; EPO; JPO; JPO; JPO; DERWENT; IBM TDB   US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J  | _        | 6    | ((flash with memory) and (cluster and  | _         | 2004/01/02 19:54                        |
| ((interleav\$3 distribut\$3) with cluster)  - 2123 ((711/5,102,103,115,159,168,169).CCLS.) and   |          |      |  |           |   |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT   |          |      |  |           |   |
| - 2123   |          |      | ((111001104) 410011040 (1)   | 1         |   |
| - 2123 ((711/5,102,103,115,159,168,169).CCLS.) and   |          |      |  | 1         |   |
| Gad < "19990728"   US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   US-PGPUB; EFO; JPO; DERWENT; IBM_TDB   US-PGPUB; IBM_TDB   US-PGPUB; IBM_TDB   US-PGPUB; IBM_TDB   US-PGPUB; IBM_TDB   US-PGPUB; IBM_TDB   US-PGPUB; IBM_   | _        | 2123 | ((711/5.102.103.115.159.168.169).CCLS.) and  |           | 2004/01/02 20:04                        |
| - 5 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JP  | ÷        | 2123 |  | ,         | , |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  |          |      |  | 1         |   |
| - 5 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and uspAT; and end of a with interleav\$3 (((flash with memory) and (sector with interleav\$3)) and @ad < "19990728" (sector with cluster) and with interleav\$3) and uspAT; us-pGPUB; epo; JPO; DERWENT; IBM_TDB uspAT; us-pGPUB; epo; JPO; pGPUB; epo; JPO; epo; epo; epo; epo; epo; epo; epo; epo  |          | 1    |  |           |   |
| 5 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and interleav\$3  - 28 ((flash with memory) and (sector with interleav\$3) ) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 40 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 41 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 42 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  | 1        |      |  |           |   |
| and @ad < "19990728") and flash) and (sector with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IMM_TDB USPAT; US-PGP  | _        | 5    | ((((711/5,102,103,115,159,168,169).CCLS.)  |           | 2004/05/05 15:07                        |
| ### with interleav\$3)  - 48 ((((711/5,102,103,115,159,168,169).CCLS.)   |          | , ,  |  | · ·       |   |
| - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and interleav\$3  - 28 ((flash with memory) and (sector with interleav\$3)) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728"  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728")  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728")  - 40 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728")  - 41 ((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728")   |          | 1    |  |           |   |
| - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J   |          | 1    |  |           |   |
| - 48 ((((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and flash) and interleav\$3  - 28 ((flash with memory) and (sector with interleav\$3)) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 ((711/5,102,103,115,159,168,169).CCLS.) and (SPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO  |          |      |  | 1         |   |
| and @ad < "19990728") and flash) and interleav\$3  - 28 ((flash with memory) and (sector with interleav\$3)) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  @ad < "19990728") and cluster and sector  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  | _        | 4.8  | ((((711/5,102,103.115.159.168.169).CCLS.)  |           | 2004/05/05 15:08                        |
| interleav\$3  - 28 ((flash with memory) and (sector with interleav\$3) ) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728"  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector  |          | 1    |  | ·         | . , ==                                  |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO;   |          | ł    |  | 1         |   |
| - 28 ((flash with memory) and (sector with interleav\$3) ) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  US-PGPUB; EPO; JPO;   |          | 1    | , <del></del>  | (         |   |
| - 28 ((flash with memory) and (sector with interleav\$3) ) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO;   |          | į    |  |           |   |
| interleav\$3) ) and @ad < "19990728"  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;  |          | 28   | ((flash with memory) and (sector with  | _         | 2004/05/05 15:08                        |
| ### TOP   Company of the proof  |          | į    |  | •         | , . == ,,                               |
| - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @Ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;   |          |      |  | '         |   |
| - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  - 43 (((711/5,102,103,115,159,168,169).CCLS.) and @ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;   |          | l    |  |           |   |
| - 48 (storage) and (cluster with interleav\$3) and (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (((711/5,102,103,115,159,168,169).CCLS.) and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (((711/5,102,103,115,159,168,169).CCLS.) and USPAT; US-PGPUB; EPO; JPO;  |          | l    |  |           |   |
| (sector with cluster) and @ad < "19990728" US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; Qad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;  | _        | 4.8  | (storage) and (cluster with interleav\$3) and  | _         | 2004/05/05 15:09                        |
| EPO; JPO; DERWENT; IBM_TDB USPAT; Quad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;  |          |      |  |           |   |
| DERWENT; IBM_TDB (((711/5,102,103,115,159,168,169).CCLS.) and USPAT; @ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;  |          | l    | , 100001 million of the one of the one   |           |   |
| - 43 (((711/5,102,103,115,159,168,169).CCLS.) and USPAT; 2004/05/05 19 @ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;  |          | l    |  |           |   |
| - 43 (((711/5,102,103,115,159,168,169).CCLS.) and USPAT; 2004/05/05 19 @ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;  |          | l    |  |           |   |
| @ad < "19990728") and cluster and sector US-PGPUB; EPO; JPO;   |          | 42   | (((711/5.102.103.115.159.168.169).CCLS.) and   | _         | 2004/05/05 15:09                        |
| EPO; JPO;  |          | 1    |  | 1         |   |
|  |          |      | The state of the s |           |   |
| I DECMENT: I   |          | l    |  | DERWENT;  |   |
| IBM TDB  |          | 1    | <u>'</u>   |           |   |

| - | 3 | (flash with memory) and (cluster with | USPAT;    | 2004/05/05 15:10 |
|---|---|---------------------------------------|-----------|------------------|
|   |   | interleav\$3)and @ad < "19990728"     | US-PGPUB; |                  |
|   |   |                                       | EPO; JPO; |                  |
|   |   |                                       | DERWENT;  | <b>)</b>         |
|   |   |                                       | IBM TDB   |                  |
| _ | 6 | 5889795.URPN.                         | USPAT     | 2004/05/05 15:11 |